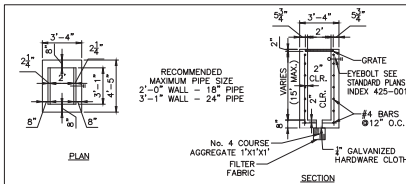


CONCRETE CONSTRUCTION NOTES

1. CONCRETE PRE-CONSTRUCTION MEETING
 - A. THE CONCRETE CONTRACTOR ALONG WITH THE CONCRETE PRODUCER MAY REQUEST THROUGH THE GENERAL CONTRACTOR FOR A PRE-CONSTRUCTION MEETING PRIOR TO CONCRETE PLACEMENT.
 - B. ATTENDEES: CONCRETE CONTRACTOR, CONCRETE PRODUCER, GENERAL CONTRACTOR, OWNER OR OWNER'S REPRESENTATIVE(S), ENGINEER OF RECORD, ARCHITECT, SITE CONTRACTOR, GEOTECHNICAL REPRESENTATIVE(S), ETC.
 - C. AGENDA: INCLUDE BUT NOT LIMITED TO THE FOLLOWINGS: (CONTRACTOR MAY CONTACT THE FLORIDA CONCRETE & PRODUCTS ASSOCIATION FOR PRE-CONSTRUCTION MEETING CHECK LISTS)
 - D. MATERIALS APPROVAL
 - I. CONCRETE TESTING: TYPE, LOCATION OF SAMPLINGS, ETC.
 - II. CONCRETE DELIVERY: QUANTITY/HR, PUMP, CONVEYOR, ETC.
 - III. PLACEMENT METHOD, QUANTITY/DAY, STAGING & CLEAN OUT LOCATION, ETC.
 - IV. FINISHING: CURING, JOINTING, ETC.
2. JOINTS FOR CONCRETE SLABS
 - A. GENERAL - A JOINTING PLAN FOR THE ENTIRE PAVING AREA SHALL BE PREPARED BY THE CONCRETE CONTRACTOR & SUBMITTED TO THE ENGINEER OF RECORD (EOR) 2 WEEKS PRIOR TO PLACEMENT OF CONCRETE FOR THE EOR APPROVAL. THE CONTRACTOR MAY ALSO CONTACT THE FLORIDA CONCRETE & PRODUCTS ASSOCIATION (FCOPA) FOR TECHNICAL RESOURCES AND ASSISTANCE.
 - B. LA SQUARE JOINTING PATTERN IS REQUIRED WHERE POSSIBLE. IF NECESSARY, RECTANGULAR PANELS CAN BE USED IF THE LONG DIMENSION IS NO MORE THAN 1.5 TIMES THE SHORT (e.g. 8' x 12'). JOINT SPACING SHALL NOT EXCEED THE FOLLOWING: 10 FEET IN A 4" THICK SLAB, 12 FEET IN A 5" THICK SLAB OR 15 FEET IN SLAB WITH THICKNESS OF 8" OR GREATER.
 - C. BOX OUT AREA AROUND MANHOLES, CATCH BASINS, DRAINAGE STRUCTURES & OTHER BUILT-IN STRUCTURES WITHIN THE PAVING AREA SHALL BE CIRCULAR WHERE POSSIBLE. A MINIMUM OFFSET OF 12" FROM ANY EDGE OF THE STRUCTURE. OBTAIN A COPY OF THE FCOPA STANDARD DETAILS FOR REFERENCE. CONSTRUCTION & CONTROL JOINTS SHALL BE CONTINUOUS THROUGH ADJACENT LANS & EXTEND THROUGH INTEGRAL CURB. JOINTS CAN BE TERMINATED & OFFSET AT ISOLATION JOINTS, WHERE JOINTS INTERFACE ANY RADIUS OR CURVATURE, OFFSET A MINIMUM OF 12" FROM EDGE OF PAVEMENT AND FORM JOINT SO AS TO AVOID AN ACUTE ANGLE OR SMALL WEDGES OF CONCRETE AT CURVATURES. OBTAIN A COPY OF THE FCOPA STANDARD DETAILS FOR REFERENCE.
 - D. CONSTRUCTION JOINTS - A CONSTRUCTION JOINT SEPARATES ONE DAY PLACEMENT TO THE NEXT DAY PLACEMENT. A CONSTRUCTION JOINT SHALL BE A MINIMUM OF 5 FEET FROM ANY ADJACENT CONTROL JOINT. NEXT DAY PLACEMENT SHALL BUT UP TO THE EXISTING PAVEMENT AS A COLD JOINT. THE CONSTRUCTION JOINT MAY BE HAND-TOOLED WITH MAXIMUM 0.25" RADII AT THE EDGE OF THE JOINT. CONTROL JOINTS FROM BOTH PLACEMENT AREAS SHALL MATCH AND BE CONTINUOUS ACROSS THE CONSTRUCTION JOINT.
 - E. CONTROL/CONSTRUCTION JOINTS - CONTROL JOINTS ARE JOINTS WITHIN THE PAVING AREA FORMED THROUGH TOOLING OR SAW CUTTING. CONTROL JOINTS ESTABLISH NEW PLANES TO RELIEVE STRESSES DUE TO SHRINKAGE OR TEMPERATURE CHANGE. INSTALL CONTROL JOINTS WITHIN 12 HRS FROM THE TIME THE CONCRETE HAS SET THE GROUND OR OBTAIN IN WRITING APPROVAL FROM THE EOR BEYOND THE 12-HR TIME LIMIT. EARLY-ENTRY SAW CUTTING METHOD: CUT JOINT TO A MINIMUM OF 1" DEEP FOR PAVEMENT THICKNESS UP TO 6". CUTTING OF JOINT SHALL NOT CAUSE RAVELING TO THE EDGES OR DEFORMATION OF THE SURFACE DUE TO EQUIPMENT OR WORKER.
 - F. OTHER METHODS: INSTALL JOINT TO A MINIMUM OF 1/3 OF PAVEMENT DEPTH. FINISH EDGES WITH 0.25" RADII. OPERATION SHALL NOT CAUSE ANY DEFORMATION OF THE SURFACE.
3. ISOLATION JOINTS - THESE JOINTS USE ISOLATION MATERIALS TO PREVENT FRESH CONCRETE FROM BONDING TO EXISTING CONCRETE SUCH AS, BUT NOT LIMITED TO, BUILDING FOUNDATIONS, SIDEWALKS, DRAINAGE STRUCTURES, LIGHTING & SIGNAGE BASES, RETAINING WALLS, CURBS, ETC. THE ISOLATION MATERIAL SHALL EXTEND THE FULL-DEPTH OF THE FRESH CONCRETE THICKNESS, FROM ONE DAY PLACEMENT TO THE NEXT, WHERE JOINTS ARE MATCHED. ISOLATION MATERIAL IS NOT NECESSARY. (E.G. ONE LANE PAVING TO THE NEXT, INTEGRAL CURBS)
4. ISOLATION JOINTS BETWEEN SLABS SHALL BE FORMED WITH 0.25 INCH THICK NEOPRENE OR 0.50 INCH THICK ASPHALT IMPREGATED FIBER FILLER WITH HYDROCARBON RESISTANT ELASTOMERIC FULL MATERIAL AS SEALER. ALL EDGES TO BE HAND TOOLED WITH MAXIMUM 0.50 INCH RADII.
5. A SATISFACTORY ISOLATION JOINT CAN BE FORMED AT METAL BUILDING CURBS BY PLACING A STRIP OF CURING PAPER AGAINST THE METAL FORM & THEN PLACING THE FRESH CONCRETE AGAINST THE PAPER. THE EDGES OF THE SLAB SHALL BE HAND TOOLED WITH MAXIMUM 0.50 INCH RADII.
6. JOINTS SEALANT - A JOINT SEALING PLAN FOR THE AFFECTED AREA SHALL BE PREPARED BY THE CONCRETE CONTRACTOR & SUBMITTED TO THE EOR, ALONG WITH THE JOINTING PLAN, 2 WEEKS PRIOR TO PLACEMENT OF CONCRETE FOR THE EOR APPROVAL. NOT ALL JOINT WILL BE REQUIRED SEALING. THE CONCRETE CONTRACTOR IS TO RECOMMEND THE NECESSARY LOCATION AND TO PROVIDE SUPPORTING DOCUMENTATION FOR NON-SEALING AREAS. USE A POLYURETHANE SEALANT (TREMCO TSC-ROD/TSC-ROD-901 MULTI-COMPONENT/COMPOUND OR EQUIVALENT). THE CONCRETE CONTRACTOR IS TO SUBMIT SEALANT TYPE AND MANUFACTURER INFORMATION TO THE EOR FOR APPROVAL, WHEN EQUIVALENT IS USE. JOINTS SHALL BE PREPARED BY FOLLOWING MANUFACTURER'S RECOMMENDATIONS PRIOR TO SEALING.

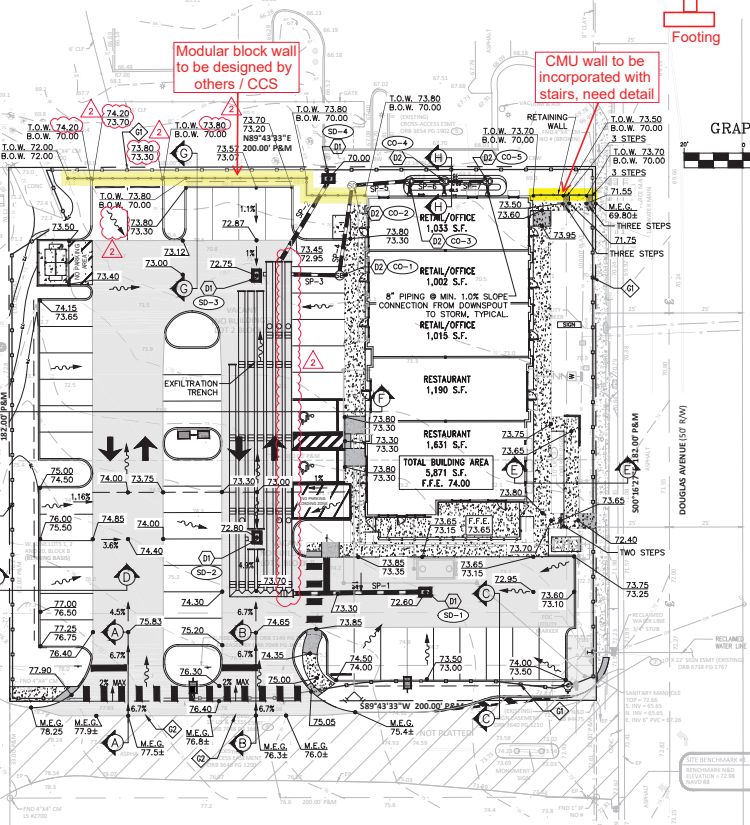


MODIFIED F.D.O.T. TYPE "C"
INLET DETAIL W/ SUMP BOTTOM

SCALE 1" = 5'

PAVEMENT NOTE:

1. ALL ASPHALT PAVEMENT SHALL BE HEAVY-DUTY IN DRIVE AISLES AND LIGHT-DUTY IN PARKING SPACES. PLEASE REFER TO KEYNOTES C2 & C3 ON SHEET C-5 AND DETAILS 6 & 7 ON SHEET C-14.



SITE DRAINAGE KEYNOTES

- D1. F.D.O.T. TYPE "C" DITCH BOTTOM INLET PER LATEST F.D.O.T. STANDARD PLANS INDEX 425-052, TYPICAL.
- D2. STORM CLEAN-OUT.

GRADING KEYNOTES

- G1. F.D.O.T. TYPE "1F" SILT FENCE EROSION CONTROL BARRIER, TYPICAL.
- G2. MATCH EXISTING PAVEMENT GRADE, OVERLAY EXISTING PAVEMENT AS NEEDED TO PROVIDE A SMOOTH TRANSITION, TYPICAL.

DRAINAGE STRUCTURE LEGEND

SD-1	SD-2	SD-3
TYPE "C" INLET* PER F.B.O.T. STANDARD PLANS INDEX 425-052 TOP ELEV. 72.60 INV. ELEV. 67.73 W INLET BOT. 66.73 W ELEV. (SUMP)	TYPE "C" INLET* PER F.B.O.T. STANDARD PLANS INDEX 425-052 TOP ELEV. 72.80 INV. ELEV. 67.50 INLET BOT. 66.50 ELEV. (SUMP)	TYPE "C" INLET* PER F.B.O.T. STANDARD PLANS INDEX 425-052 TOP ELEV. 72.75 INV. ELEV. 67.50 INLET BOT. 66.50 ELEV. (SUMP)
TYPE "C" INLET PER F.B.O.T. STANDARD PLANS INDEX 425-052 TOP ELEV. 70.00 INV. ELEV. 67.50 SW ELEV. (SUMP)	STORM CLEAN-OUT TOP ELEV. 73.30 INV. ELEV. 67.58 W INV. ELEV. 67.58 S	STORM CLEAN-OUT TOP ELEV. 70.00 INV. ELEV. 67.92 N
TYPE "C" INLET PER F.B.O.T. STANDARD PLANS INDEX 425-052 TOP ELEV. 70.00 INV. ELEV. 67.81 N ELEV. (SUMP)	STORM CLEAN-OUT TOP ELEV. 70.00 INV. ELEV. 67.86 N	STORM CLEAN-OUT TOP ELEV. 70.00 INV. ELEV. 67.92 N

*NOTE: INLETS SD-1, SD-2, AND SD-3 SHALL HAVE SUMP BOTTOMS WITH 1'X1' OPENINGS AT BOTTOM PER DETAIL ON THIS SHEET.

STORM DRAINAGE PIPE CHART

DESIGNATION	PIPE LENGTH (LINEAR FEET)	PIPE SIZE	PIPE TYPE	SLOPE	FROM STRUCTURE NUMBER	TO STRUCTURE NUMBER
SP-1	42	15" R.C.P.	0.5%	EXFIL.	SD-1	SD-1
SP-2	31	15" R.C.P.	0%	EXFIL.	SD-4	SD-4
SP-3	14	12" H.P.*	0.6%	EXFIL.	CO-1	CO-1
SP-4	28	12" H.P.*	0.5%	CO-1	CO-2	CO-2
SP-5	17	12" H.P.*	0.5%	CO-2	CO-3	CO-3
SP-6	9	8" H.P.*	0.5%	CO-3	CO-4	CO-4
SP-7	12	8" H.P.*	0.5%	CO-4	CO-5	CO-5

*NOTE: THE BUILDING STORM CLEAN-OUTS AND ASSOCIATED PIPING ARE NOT PART OF PRIMARY DRAINAGE CONVEYANCE SYSTEM AND ARE INTENDED TO ONLY CONVEY STORMWATER FROM THE PROPOSED BUILDING TO THE EXFILTRATION SYSTEM.

STORMWATER MANAGEMENT SITE DATA TABLE

	EXISTING	PROPOSED
SITE	0.84 AC; 36,400 S.F.	0.84 AC; 36,400 S.F.
PERVIOUS AREA	0.82 AC; 35,695 S.F.	0.18 AC; 7,568 S.F.
IMPERVIOUS AREA	0.02 AC; 705 S.F.	0.66 AC; 28,832 S.F.
DCA (WHEN APPLICABLE)	0.02 AC; 705 S.F.; 1.0%	0.66 AC; 28,832 S.F.; 79.2%
DRAINAGE BASIN	RETAIN THE DIFFERENCE IN PRE-DEVELOPMENT VERSUS POST-DEVELOPMENT RUNOFF VOLUME OF THE 25-YEAR, SIX-HOUR STORM EVENT (-8 INCHES) AND THE SURROUNDING CRITERIA FOR WATER QUALITY TREATMENT, INDEPENDENT OF PROJECT SIZE, (CITY POLICY). IN ADDITION, UNDER NO CIRCUMSTANCES SHOULD THE PRE VERSUS POST DEVELOPMENT RUNOFF EXCEED EXISTING CONDITIONS.)	
LDC STANDARD	RETAIN THE DIFFERENCE IN PRE-DEVELOPMENT VERSUS POST-DEVELOPMENT RUNOFF VOLUME OF THE 25-YEAR, SIX-HOUR STORM EVENT (-8 INCHES) AND THE SURROUNDING CRITERIA FOR WATER QUALITY TREATMENT, INDEPENDENT OF PROJECT SIZE, (CITY POLICY). IN ADDITION, UNDER NO CIRCUMSTANCES SHOULD THE PRE VERSUS POST DEVELOPMENT RUNOFF EXCEED EXISTING CONDITIONS.)	

ACCESSIBILITY NOTE:

ACCESSIBLE RAMPS WITH DETECTABLE WARNING SHALL BE PROVIDED AT ALL SIDEWALKS CROSSING ROADWAYS OR DRIVEWAYS. A MINIMUM OF 1% AND A MAXIMUM OF 2% CROSS SLOPE SHALL BE PROVIDED FOR ALL CROSSWALKS.

NOTE:

ALL STORM DRAIN INLETS SHALL HAVE A METAL MEDALLION INLET MARKERS INSTALLED, TEXT ON THE MARKER SHALL READ "NO DUMPING, ONLY RAIN IN THE DRAIN."

PLAN LEGEND

- SILT FENCE EROSION CONTROL BARRIER
- B.O.W. BOTTOM OF EXPOSED WALL HEIGHT

EROSION CONTROL NOTE:

PROVIDE AND MAINTAIN SYNTHETIC SEDIMENT BARRIERS AT ALL INLETS DURING CONSTRUCTION. THIS IS REQUIRED IN ADDITION TO THE REQUIREMENTS SHOWN ON THE SWPP.



03/04/2025 PER CITY OF ALTAMONTE SPRINGS COMMENTS DATED DECEMBER 6, 2024 AT SJS
04/24/2025 PER CITY OF ALTAMONTE SPRINGS COMMENTS DATED APRIL 5, 2025 AT SJS

CONSTRUCTION PLANS
PARK PLACE AT DOUGLAS
286 DOUGLAS AVE, ALTAMONTE
SPRINGS, FL 32714

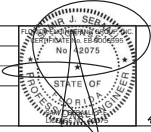


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SITE PAVING, GRADING, AND DRAINAGE PLAN

DESIGNED BY SJS
DRAWN BY AT
CHECKED BY SJS
APPROVED BY SJS

PROJECT NO. 23-016
SCALE 1"=20'
DATE NOVEMBER 4, 2024
SHEET NO. C-6
SHEET 7 OF 24



THESE PLANS, INCLUDING ANY BOARD SHEETS, HAVE BEEN REVIEWED AND APPROVED BY THE ENGINEER OF RECORD AND SEALER (BY SIGNATURE AND DATE) UNDER A PROFESSIONAL ENGINEERING LICENSE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

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